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Education - University of Michigan:

- <u>Bachelor of Computer Science</u> through the Honors Program in the School of Literature, Science, and Arts
- <u>Bachelor of Music in Violin Performance</u> in the School of Music, Theatre, and Dance
- Final GPA across both degrees: 3.92

Professional Experience:

- Starting October 2017: **Software Engineer with Microsoft Corporation** in Redmond WA
- Summer 2016: **Software Engineering Intern with Microsoft Corporation** in Redmond WA
- Summer 2015: **Software Engineering Intern** for **3M Health Information Systems** in Wallingford, CT
- 2014 – 2017**: Instructional Aide (IA)** in the Engineering Department for
  EECS 183 (Elementary Programming Concepts) – class taken in Fall 2013
  - Responsible for a weekly **discussion section**, preparing discussion slides for the staff, holding **office hours**, creating, editing, and grading student projects and exams, and answering student questions on online forum

Programming and Courses:

- Proficient in **C++** and **C#**; experience in **HTML**, **CSS**, **Javascript,** AngularJS, Typescript, Swift, Java, Python
- Proficient working with Xcode & Visual Studio; experienced with terminal, Eclipse, PyCharm

EECS281: Data Structures and Algorithms
  - Projects focused on **data structures, advanced algorithms and efficiency, time and space complexity**
  - Completed projects involving path finding, stocks, keyword searches and the Traveling Salesperson Problem

EECS493: User Interface Development
  - The class explored different approaches to User Interface Design, and how the user experience is affected by development decisions. As part of the final project (to create an app), we created user profiles, and held hands-on interviews for users to test the product, using the feedback to improve the app.

EECS482: Introduction to Operating Systems
  - The class explored concepts of multi-threading, synchronization, I/O, memory and storage management, file systems and locking schemes
  - Completed four large scale projects in the above topics, the last being a **file system** that allowed manipulation of contents such as adding folders and files, deleting files and folders, and searching for specific files

EECS441: Mobile Application Development for Entrepreneurs
  - Created a Google Chrome Extension that summarized web pages or documents, and saved and dated summaries
  - Developed personas and presentations at each stage of the project to develop entrepreneurial skills

EECS486: Information Retrieval and Web Search
  - Completed projects on Text Processing and Language Identification with the Vector Space model which mimicked the concept of the Google search engine, Web Crawling, Natural Language Processing, and Naïve Bayes Classification
  - Final project was an Image Classification program that, when given an animal image, returned its best guess for what animal the image represented

Projects:

- **Microsoft Internship – Universal Store Team** under **Windows and Devices Group**
  - Worked directly on team product, including bug fixes, website design, and an end-to-end feature that was shipped to production
  - Developed feature using AngularJS, HTML/CSS, and C# to allow users to search by partial payment information
- **3M HIS Internship:** Created an **application** that allowed multiple versions of the same software to be installed at a time
  - **Created a GUI** that included a dropdown menu listing different versions, and buttons for manipulating these versions: New Install, Launch, Switch, Refresh, Update, Delete, Copy and Uninstall
- **Personal project: OSX application** with AI (play computer) feature for the board game Mancala using **Cocoa and Swift**
- EECS493 Final Project: **cross-platform mobile application (iOS and Android) –** worked as part of a 4-person team
  - The application focused on studying Computer Science topics on-the-go, providing provided code snippets for topics such as time complexity, algorithms, data structures, and recursion, with fill-in-the blanks and answer checking
  - Built with the Nativescript framework with incorporates JavaScript, CSS, and XML
- EECS183: Created **artificial intelligence driver** for Connect Four as part of a class wide competition (Placed 11th/500)

Awards, Special Skills and Further Interests:

- **Awards at University of Michigan:** Instructional Aide Teaching Award (2 chosen from all Electrical Engineering & Computer Science IAs), William J. Branstrom Freshman Prize, James B. Angell Scholar, University Honors award each semester
- **Skills:** Fluent in Hebrew (speaking, reading & writing), national level competitive Ultimate Frisbee player
- **Interests:** Front-end web development, UI/UX Design, Building software, Teaching, Ultimate Frisbee, Fitness